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- (b) treating said cell with an agent capable of introducing DNA breaks in the chromosome of said host cell prior to or following introduction of said vector; and
 - (c) integrating said vector into said DNA breaks so as to result in the formation of an operable linkage between said vector and said endogenous gene, whereby said endogenous gene is activated by one or more vector-encoded nucleotide sequences.

105 The method of claim 104, wherein said activation in (c) is accomplished by isolating said host cell and culturing said host cell under conditions favoring activation of said endogenous gene.--

REMARKS

No new matter has been added by the foregoing amendment to the specification, which has been made solely to provide the application number for the priority application filed on March 26, 1999, which number was not available at the time of filing of the present application.

The foregoing amendments to the claims are fully supported in the specification as originally filed. Specifically, support for new claims 58-105 may be found in the specification at pages 6-17, at pages 38-44, at pages 50-53, at pages 57-61, at pages 68-118, and throughout the Examples. Accordingly, the foregoing amendments to the claims do not add new matter; their entry is therefore respectfully requested.

Applicants believe that the present application is now in condition for examination. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

In re: Harrington *et al.*
Appl. No.: Not Yet Assigned
Filed: Concurrently Herewith
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Prompt and favorable consideration of the foregoing amendments, and entry of the same into the present application, are respectfully requested.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,

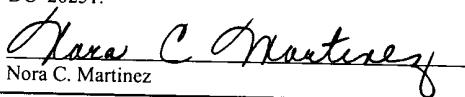


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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, DC 20231.



Nora C. Martinez